

Course progression map for 2025 commencing students

This progression map provides advice on the suitable sequencing of units and guidance on how to plan unit enrolment for each semester of study. It does not substitute for the list of required units as described in the course 'Requirements' section of the [Handbook](#).

S2005 Bachelor of Science and Bachelor of Music

Computational science major and Composition and music technology specialisation

	Bachelor of Science		Bachelor of Music	
YEAR 1 Sem 1	FIT1045 Introduction to programming	MAT1830 Discrete mathematics for computer science	ATS1046 Composition and music technology 1: Introduction to composition genres	ATS1899 Music theory and ear training 1*
YEAR 1 Sem 2	FIT1008 Fundamentals of algorithms	MTH1030 Techniques for modelling	ATS1047 Composition and music technology 2: Materials of composition	ATS1900 Music theory and ear training 2*
YEAR 2 Sem 1	FIT2004 Algorithms and data structures	SCI1000 Science communication to influence change	ATS2127 Composition and music technology 3: Spatial composition techniques	ATS2901 Music theory and ear training 3*
YEAR 2 Sem 2	FIT2014 Theory of computation	Science elective	ATS2128 Composition and music technology 4: Composition for screen	ATS2902 Music theory and ear training 4*
YEAR 3 Sem 1	FIT3139 Computational modelling and simulation	Science elective Level 2 or 3	ATS3140 Composition and music technology 5: Interactive composition	ATS1345 Music across time
YEAR 3 Sem 2	FIT3179 Data visualisation	Science elective Level 2 or 3	ATS3141 Composition and music technology 6: Final project	ATS1070 Critical intercultural performance OR ATS1346 Music across place
YEAR 4 Sem1	FIT3155 Advanced data structures and algorithms	Science elective Level 2 or 3	ATS2333 Jazz history OR ATS2800 Music ensemble 3 OR ATS2307 Improvisation in performing practice	ATS3094 Preparing for careers in the performing arts industry
YEAR 4 Sem 2	FIT2102 Programming paradigms	Science elective Level 2 or 3	ATS2331 Music in culture study tour OR ATS2332 Music – overseas study program OR ATS2060 The art of teaching music performance OR ATS2801 Music ensemble 4	ATS3061 Performing arts in Australia

*NOTE 1: If you are a BMus or a BMus double degree student, you may choose to take an examination at the commencement of ATS1899 Music theory and ear training 1. If you pass, you may be granted an exemption from this unit and be allowed to enrol in ATS1347 Ensemble studies 1 or another approved unit. Similarly, you may be exempted from ATS1900 Music theory and ear training 2 if at the commencement of this unit you choose to take an examination and pass it. This will allow you to enrol in ATS1348 Ensemble studies 2 or another approved unit.

NOTE 2: If you are completing Popular music you may replace ATS2901 Music theory and ear training 3 and ATS2902 Music theory and ear training 4 with the elective units ATS2159 Recording and computer music production and ATS2139 Song writing: How to write a popular song.